

In the claims:

Please amend the claims as follows:

1-15 (canceled)

16. (new) An industrial robot, comprising:

a first robot part;

a second robot part movably arranged with respect to the first robot part; and

a balancing arrangement operatively connected to the first robot part and the second robot part to counteract gravity when the robot parts are pivoted, the balancing arrangement comprising

a housing having a first end and a second end,

a first attachment attached to the first end of the housing and a second attachment, the first attachment and the second attachment being operative to pivotably attach the balancing arrangement to the first robot part and the second robot part,

a telescopic unit comprising a guide tube attached to a first end of the housing and a pull rod slidably arranged about the guide tube, wherein the second attachment is operatively connected to the guide tube,

a first spring seat arranged at the second end of the housing,

a second spring seat operatively connected to the pull rod, and

a helical spring unit arranged between the first spring seat and the second spring seat.

17. (new) The industrial robot according to claim 16, wherein the telescopic unit is arranged coaxially with the helical spring unit.

18. (new) The industrial robot according to claim 16, wherein the guide tube comprises the first spring seat.

19. (new) The industrial robot according to claim 16, wherein the pull rod comprises the second spring seat.

20. (new) The industrial robot according to claim 16, wherein the first spring seat comprises a spring housing.

21. (new) The industrial robot according to claim 20, wherein the guide tube is arranged coaxially in the spring housing surrounding the helical spring unit.

22. (new) The industrial robot according to claim 20, wherein the pull rod is displaceably arranged on the exterior of the guide tube and extends with a first end out through an opening in the spring housing.

23. (new) The industrial robot according to claim 16, wherein the first attachment is arranged freely rotatable in an end of the pull rod.

24. (new) The industrial robot according to claim 22, further comprising:

an exchangeable guide ring rigidly arranged in an opening of the spring housing.

25. (new) The industrial robot according to claim 16, wherein the first robot part and the second robot part are vertically articulated arms.

26. (new) A method of balancing an industrial robot, the method comprising:

pivotably connecting a first robot part and a second robot;

operatively connecting a balancing arrangement between the first robot part and the second robot part to counteract gravity when the robot parts are pivoted, the balancing arrangement comprising a housing having a first end and a second end, a first attachment attached to the first end of the housing and a second attachment, the first attachment and the second attachment being operative to pivotably attach the balancing arrangement to the first robot part and the second robot part, a telescopic unit comprising a guide tube attached to a first end of the housing and a pull rod slidably arranged about the guide tube, wherein the second attachment is operatively connected to the guide tube, a first spring seat arranged at the second end of the housing, a second spring seat operatively connected to the pull rod, and a helical spring unit arranged between the first spring seat and the second spring seat.

27. (new) The method according to claim 26, wherein the telescopic unit guides the helical spring unit.

28. (new) The method robot according to claim 26, wherein the helical spring unit is

arranged coaxially on the telescopic unit.

29. (new) The method according to claim 26, wherein the second attachment is applied in the form of a freely rotatable ring fastener.

30. (new) Use of a method according to claim 26 with a vertically articulated robot arm.